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Serial No. unknown

IN THE CLAIMS

Please substitute the following amended claims for corresponding claims previously presented. A copy of the amended claims showing current revisions is attached.

6. The method as claimed in claim 2, wherein the information to be entered is entered by means of irradiation with infrared light.
7. The method as claimed in claim 1, wherein the information to be entered is entered by means of a focused write beam (3).
8. The method as claimed in claim 1, wherein the information to be entered is entered over a large area, using a mask.
9. The method as claimed in claim 1, wherein highly polarizable molecules are used as atoms and/or molecules that change the refractive index.
11. The method as claimed in claim 9, wherein aromatic molecules are used as highly polarizable molecules.
12. The method as claimed in claim 1, wherein slightly polarizable molecules are used as atoms and/or molecules that change the refractive index.

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15. The data storage medium as claimed in claim 13, wherein the atoms and/or molecules that change the refractive index comprise highly polarizable molecules.

17. The data storage medium as claimed in claim 15, wherein the highly polarizable molecules comprise aromatic molecules.

18. The data storage medium as claimed in claim 13, wherein the atoms and/or molecules that change the refractive index comprise slightly polarizable molecules.

19. The data storage medium as claimed in claim 14 in connection with claim 14, wherein the layer (2) is assigned an absorber which is set up to absorb a write beam, at least partially, and to locally discharge the heat produced thereby at least partially to the layer (2) and/or the polymer carrier (1).

20. The data storage medium as claimed in claim 13, wherein the information medium has a plurality of polymer carrier plies (10), through which information units can be read from a preselected polymer carrier ply (10) and, if appropriate, can be written to a preselected polymer carrier ply (10).

23. The data storage medium as claimed in claim 13, wherein the polymer carrier comprises a polymer film (11).